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1970 ASSESSMENTS OF THE METROPOLITAN DISTRICTS



Compiled in the Office of
ROBERT Q. CRANE
TREASURER AND RECEIVER-GENERAL

The Commonwealth of Massachusetts

1970 ASSESSMENTS FOR INTEREST, SERIAL BONDS AND MAINTENANCE OF THE METROPOLITAN DISTRICTS



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The Commonwealth of Massachusetts

TREASURY DEPARTMENT, SEPT. 1, 1970

Under the provisions of Section 11 of Chapter 10 of the General Laws the following computations for annual assessments for interest, serial bonds, and maintenance for 1970, to be paid by the cities and towns comprising the Metropolitan District are compiled and printed as a public document and herewith submitted.

Since September 1, 1969, bonds have been issued as follows:

Metropolitan Water District Additional Loan, Act of 1962 (Chapt. 654)	\$1,000,000.00
Met. Water District — Water Use Development Loan (Chapt. 587 — 1945) (Chapt. 549 — 1946)	3,390,000.00
Metropolitan Sewerage Loan, Act of 1966 (Chapt. 563)	1,000,000.00

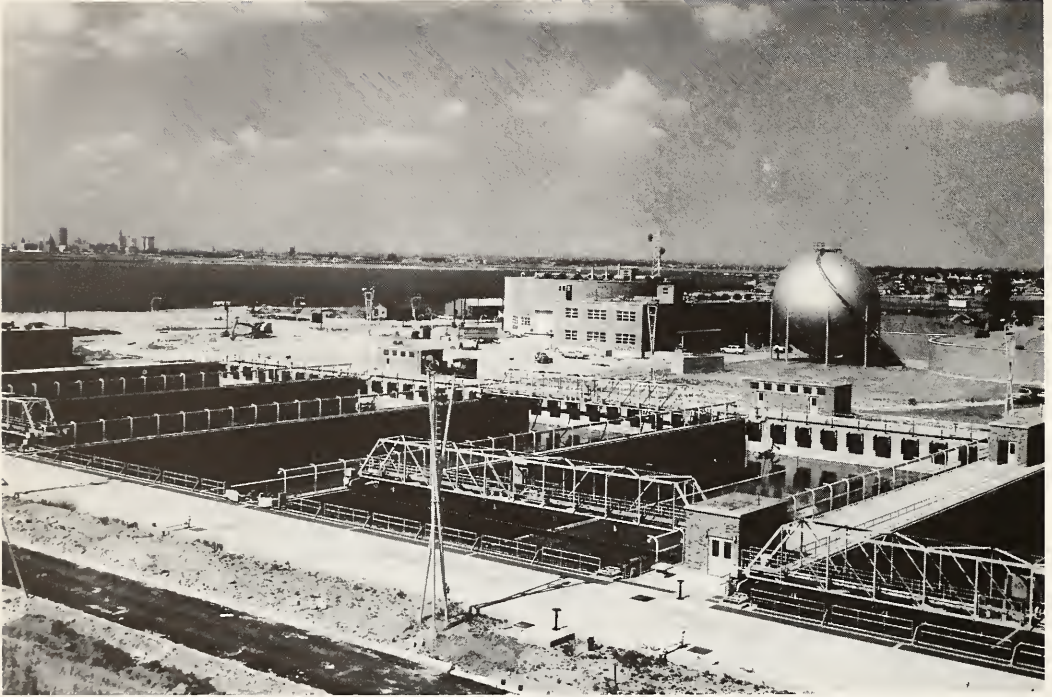
Metropolitan Sewer

Chapter 92 of the General Laws.

SECTION 5. Each of the cities and towns belonging in whole or in part to the metropolitan sewerage district shall annually pay money to the commonwealth to meet interest and principal requirements for each fiscal year on debt for sewers and sewerage works authorized prior to December thirty-first, nineteen hundred and fifty-eight, on any debt incurred after January first, nineteen hundred and fifty-nine for the completion of construction authorized by chapter six hundred and forty-five of the acts of nineteen hundred and fifty-one as amended, and for any additional debt incurred for the construction of disposal works, as estimated by the state treasurer, and to meet any deficiency in the amount previously paid in, as found by him.

The proportion to be paid by each city and town of the total amount shall be determined by dividing the aggregate capacity of municipal sewers of each city and town connected to sewers operated by the commission, by the total capacity of all municipal sewers connected to district sewers provided, however, that in no case shall the aggregate capacity of any municipal sewer used in the determination of such ratio be greater than the pro-rated capacity of the district sewer at the point of such connection. At every point on the metropolitan sewerage system of which the capacity of the main sewer is less than the aggregate capacity of the sewers converging at that point, the available capacity of the main sewer shall be apportioned among the two or more lines converging at such point in proportion to the capacities of such converging lines.

SECTION 5A. Not later than September first in the year nineteen hundred and sixty and in every fifth year thereafter, the commission shall establish the proportion in which each of the cities and towns served by said system shall annually pay money to the commonwealth to meet interest and principal requirements to be borne by all cities and towns served by the metropolitan sewerage system, as provided in section 5; provided, however, that no changes shall be made in the proportions established in the year nineteen hundred and sixty except such as are occasioned by construction and connection authorized by law after January first, nineteen hundred and sixty or authorized by the com-



mission under section two. The commission shall annually, not later than October first, certify to the state treasurer the proportion of annual requirements for principal and interest to be paid by each city and town served by said system.

SECTION 5B. The cost of construction of extensions of the metropolitan district sewerage system to provide service for additional cities and towns or to provide additional service for one or more cities and towns, or for relief sewers, shall be paid by the cities and towns benefited by such construction. The annual amounts required to meet payments of principal and interest on debt incurred to finance such construction as estimated by the state treasurer, and to meet any deficiencies in the amount previously paid in, shall be apportioned among such benefited cities and towns in proportion to the additional capacity thereby made available to said cities and towns by such construction. The proportion to be paid by each city and town benefited shall be established by law; provided, however, that if such proportions are not so established they shall be determined by the commission. The commission shall annually not later than October first certify to the state treasurer the proportion of such principal and interest to be paid by each such city or town.

SECTION 6. The proportions in which each of the cities and towns belonging in whole or in part to said sewerage district shall annually pay money into the treasury of the commonwealth to meet the cost of maintenance and operation of the sewerage system, shall be based upon the respective populations of said cities and towns as ascertained by the last preceding state or national census. If less than the whole area of any town is

included in said metropolitan sewerage district, the population only of that part of the town included in said district, as determined by the commission, shall be used as a basis for determining the proportion and amount which it shall pay as its share of the cost of maintenance and operation of works. The commission shall annually, not later than October first, certify to the state treasurer the amount expended for the maintenance and operation of the metropolitan district sewerage system in the preceding fiscal year and the proportions to be paid by each city and town as provided in this section.

SECTION 7. The commission shall annually, in accordance with the two preceding sections, determine for each system the proportion in which each of the towns belonging in whole or in part to such system shall annually pay money to the commonwealth to meet interest and sinking fund requirements and the cost of maintenance and operation of such systems, and shall transmit its determinations to the state treasurer.

Metropolitan Water

Chapter 92 of the General Laws as inserted by Chapter 723, of the Acts of 1962.

SECTION 1. Section 10 of chapter 92 of the General Laws is hereby amended by striking out paragraph (12), as amended by section 2 of chapter 575 of the acts of 1947, and inserting in place thereof the following paragraph:—

(12) All payments made as aforesaid for admission of towns and for furnishing water to water companies, non-member towns, groups of towns, or districts referred to in paragraph (3), and for selling and delivering water, except payments of annual assessments by towns, water companies, non-member towns, groups of towns, or such districts shall be deposited with the state treasurer and credited as other revenue in the metropolitan water district fund, established in accordance with section twenty-five, either by towns, water companies, non-member towns, groups of towns, or such districts, shall be applied as provided in section twenty-six.

SECTION 25. All monies received by the commonwealth on account of the operation of the metropolitan water district, together with the proceeds of bonds issued under the provisions of section twenty-six A shall be credited on the books of the commonwealth to a fund to be known as the metropolitan water district fund, to be expended, subject to appropriation for the purposes of the said metropolitan water district. Assessments received in accordance with section twenty-six, together with the proceeds of bonds issued under the provisions of section twenty-six A, shall comprise the operating revenues of said metropolitan water district fund. So much of said operating revenues, or other revenues credited in accordance with specific statute as are required to meet the debt service requirement of metropolitan water district bonds shall be credited to debt service accounts maintained for each of the metropolitan water district loans, and together with any accrued interest and premiums which may be received in connection therewith may be expended for debt service costs without further appropriation.

SECTION 25A. The amount of fiscal year charges representing amounts appropriated together with other authorized charges to the metropolitan water district fund, less any amounts of prior appropriations which may revert in accordance with law, shall be determined annually by the comptroller as of the close of each fiscal year.

The comptroller shall certify to the state treasurer the amount by which the fiscal year charges together with the amount of the fund requirements carried forward from the



previous fiscal year exceeds the total operating revenues, as defined in section twenty-five and all Section 26. (As amended by Chapter 618 of the Acts of 1953 and Chapter 723, of the Acts of 1962.)

The state treasurer shall, in each year, beginning with the year nineteen hundred and fifty-four, assess the cities and towns that are members of the metropolitan water district and the cities and towns that are eligible to membership and are supplied with water by the district as follows:

—(a) In the case of each city and town that was a member of and took its entire supply from the district at the beginning of the year an amount equal to the rate of one hundred and twenty dollars per million gallons times its estimated consumption, taken as the number of million gallons of water consumed in the previous calendar year;

SECTION 7. Said section 26A of said chapter 92 is hereby further amended by adding at the end the following paragraph:—

In any year in which the amount of bonds issued in accordance with the provision of this section exceeds the amount of principal payments in the prior fiscal year on all bonds issued for the construction of the metropolitan water system, excluding bonds

Metropolitan Parks



issued under the authorization of this section, the state treasurer shall report that fact to the legislature with a draft of legislation designed to change the then existing rate by increasing it to the next higher multiple of five dollars a million gallons.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds percent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles River basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles River basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. (As amended by Chapter 554 of the Acts of 1949, and Chapter 405 of the Acts of 1968.) The total cost of the maintenance of reservations and boulevards in the metropolitan parks district shall be appropriated in one amount. Of this amount sixty percent shall be paid from the Highway Fund, thirty-nine per cent by assessments on the said parks district and one per cent from general revenue of the commonwealth. The thirty-nine per cent charged as assessments on the various cities and towns in said parks district shall be based upon one third in proportion to their populations and the remaining two thirds in proportion to their valuations, except that the towns of Cohasset and Swampscott shall each pay only eight per cent of their respective proportions with the remaining ninety-two per cent to be charged against all other cities and towns in said parks district as part of their assessments.

SECTION 57. (As amended by Chapter 197 of the Acts of 1933, and Chapter 554 of the Acts of 1949). The commission shall annually, in accordance with the provisions of the two preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations, and shall transmit the determination of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and the deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury as provided by section twenty of chapter 59.

SECTION 59. (As amended by Chapter 554 of the Acts of 1949.) For the purposes of the four preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

SECTION 59A. Annual assessments for maintenance made in any year upon the cities and towns of each of the metropolitan districts referred to in this chapter, other than the metropolitan sewerage district and the metropolitan water district, shall be payable on November twentieth of such year and shall be based upon seven twelfths of the appropriations for such district for the fiscal year ending with the preceding June thirtieth and five twelfths of such appropriation for the fiscal year immediately following said June thirtieth. Annual assessments to meet the interest, sinking fund and serial or other bond requirements on account of each of such districts other than the metropolitan sewerage district and the metropolitan water district for any year shall be payable on November twentieth of such year and shall be made for the twelve-month period ending November thirtieth of such year, except that annual assessments to meet such serial or other bond requirements on bonds shall be made for the twelve-month period ending January second of the following year.

ROBERT Q. CRANE
Treasurer and Receiver-General

TOTAL ASSESSMENTS FOR METROPOLITAN DISTRICTS FOR 1970

<i>Cities and Towns</i>	<i>Metropolitan Water</i>	<i>Metropolitan Parks and Boulevards</i>	<i>Metropolitan Sewerage System</i>	<i>Total</i>
Arlington	\$ 265,198.68	\$ 283,563.40	\$ 306,097.88	\$ 854,859.96
Ashland			29,885.26	29,885.26
Belmont	108,059.04	219,904.81	144,309.93	472,273.78
Boston	5,996,742.12	3,968,215.64	4,106,880.44	14,071,838.20
Braintree		165,129.80	149,077.55	314,207.35
Brookline	328,559.88	478,156.59	259,850.83	1,066,567.30
Burlington			78,417.20	78,417.20
Cambridge	146,207.40	606,161.93	861,716.30	1,614,085.63
Canton		64,211.41	81,880.98	146,092.39
Chelsea	163,278.00	136,967.61	224,260.80	524,506.41
Cohasset		2,302.91		2,302.91
Dedham		153,909.21	168,273.85	322,183.06
Dover		26,314.29		26,314.29
Everett	347,061.36	375,105.13	269,257.81	991,424.30
Framingham			181,220.29	181,220.29
Hingham		90,681.72	35,289.39	125,971.11
Hull		61,995.08		61,995.08
Lexington	210,291.00		159,745.66	370,036.66
Lynn		560,537.83		560,537.83
Lynnfield Water District	13,982.64			13,982.64
Malden	297,485.64	281,701.97	288,692.42	867,880.03
Marblehead	93,761.40			93,761.40
Medford	374,352.24	314,975.34	433,287.56	1,122,615.14
Melrose	134,908.32	178,903.15	219,308.43	533,119.90
Milton	116,560.08	187,520.04	205,577.70	509,657.82
Nahant	21,812.40	22,989.56		44,801.96
Natick			136,611.30	136,611.30
Needham	55,292.40	178,105.63	151,519.55	384,917.58
Newton	506,269.20	678,738.52	582,992.58	1,768,000.30
Norwood	185,094.00		129,715.88	314,809.88
Peabody	54,576.00			54,576.00
Quincy	443,029.80	547,130.66	525,810.05	1,515,970.51
Randolph			87,428.36	87,428.36
Reading			72,066.39	72,066.39
Revere	170,268.72	196,816.81	190,998.71	558,084.24
Saugus	104,177.52	103,266.02		207,443.54
Somerville	475,809.00	437,004.81	468,829.77	1,381,643.58
Stoneham	148,360.44	92,956.75	107,287.99	348,605.18
Stoughton			62,929.11	62,929.11
Swampscott	81,628.08	43,651.17		125,279.25
Wakefield	92,548.80	131,181.20	134,753.58	358,483.58
Walpole			61,364.52	61,364.52
Waltham	475,275.48	300,173.77	285,888.71	1,061,337.96
Watertown	210,866.64	244,899.96	216,759.83	672,526.43
Wellesley		215,332.04	116,821.13	332,153.17
Weston	17,151.72	70,586.92		87,738.64
Westwood		64,350.66	58,290.90	122,641.56
Weymouth		312,968.58	230,267.90	543,236.48
Wilmington			53,701.16	53,701.16
Winchester	53,893.32	149,469.08	185,895.05	389,257.45
Winthrop	74,318.04	102,371.27	119,030.01	295,719.32
Woburn			235,898.23	235,898.23
	\$11,766,819.36	\$12,048,251.27	\$12,417,890.99	\$36,232,961.62

METROPOLITAN WATER DISTRICT

Metropolitan Water Debt

Gross (and net) debt June 30, 1970

Bonds Outstanding (serial)

Additional Water	\$ 6,396,000.00
Water Use Development Loan	52,827,000.00
Water Main Loan, Act of 1949	1,210,000.00
Water Main Loan, Act of 1954	792,000.00
Water Main Loan, Act of 1957	1,342,000.00
Water Main Loan, Act of 1959	1,054,000.00
Water Loan, Act of 1950	8,598,000.00
Water Loan, Act of 1952	4,760,000.00
Clinton Sewage Loan, Act of 1954	320,000.00
Metropolitan Water District Additional Loan, Act of 1956	16,447,000.00
Metropolitan Water District Additional Loan, Act of 1961	9,000,000.00
Metropolitan Water District Additional Loan, Act of 1962	9,455,000.00
Metropolitan Water District Additional Loan, Act of 1964	1,335,000.00
Total Net Water Debt June 30, 1970	<u>\$113,536,000.00</u>

The following information is supplied by the Comptroller's Bureau:

In accordance with the provisions of G. L. C. 92, S. 25A, the following determination of the requirements of the Metropolitan Water District Fund has been made as of June 30, 1970.

Fund Requirements, July 1, 1969 \$3,396,602.85

Fiscal Year Charges:

Appropriations	\$15,012,671.00
Appropriation of Restricted Revenue	620,748.80
Expenditures Authorized—Not Appropriated	19,254.06
Authorized Transfers	1,000,738.80
	<u>\$16,653,412.66</u>

Deduct Reversions:

Appropriations	\$175,994.66		
Accounts Payable	<u>42,383.25</u>	<u>218,377.91</u>	<u>16,435,034.75</u>
Total Charges			19,831,637.60

Operating Revenues:

District Assessments	\$11,261,166.28		
Proceeds from Sale of Water Use Development Loan Bonds	3,390,000.00		
Other Direct Revenue	<u>1,667,480.47</u>		
Total Revenue			<u>16,318,646.75</u>

Fund Requirements—June 30, 1970

\$ 3,512,990.85

METROPOLITAN WATER ASSESSMENT FOR 1970

	<i>Total Consumption for 1969 in Million Gallons</i>	<i>1970 Charge at \$120 per mil. gals. (Chap. 723, Acts of 1962)</i>	<i>Proportion for Computing Share</i>
Arlington	2,209.989	\$ 265,198.68	.022538
Belmont	900.492	108,059.04	.009183
Boston	49,972.851	5,996,742.12	.509632
Brookline	2,737.999	328,559.88	.027923
Cambridge*	1,218.395	146,207.40	.012425
Chelsea	1,360.650	163,278.00	.013876
Everett	2,892.178	347,061.36	.029495
Lexington	1,752.425	210,291.00	.017872
Lynnfield Water District	116.522	13,982.64	.001188
Malden	2,479.047	297,485.64	.025282
Marblehead	781.345	93,761.40	.007968
Medford	3,119.602	374,352.24	.031814
Melrose	1,124.236	134,908.32	.011465
Milton	971.334	116,560.08	.009906
Nahant	181.770	21,812.40	.001854
Needham*	460.770	55,292.40	.004699
Newton	4,218.910	506,269.20	.043025
Norwood	1,542.450	185,094.00	.015730
Peabody*	454.800	54,576.00	.004638
Quincy	3,691.915	443,029.80	.037651
Revere	1,418.906	170,268.72	.014470
Saugus	868.146	104,177.52	.008854
Somerville	3,965.075	475,809.00	.040437
Stoneham	1,236.337	148,360.44	.012608
Swampscott	680.234	81,628.08	.006937
Wakefield*	771.240	92,548.80	.007865
Waltham	3,960.629	475,275.48	.040391
Watertown	1,757.222	210,866.64	.017920
Weston*	142.931	17,151.72	.001458
Winchester*	449.111	53,893.32	.004580
Winthrop	619.317	74,318.04	.006316
Total	98,056.828	\$11,766,819.36	1.000000

* Partial Supply Only:

Note: Not included in above:

Assessment for Water Connections:

Lexington—ninth of ten payments \$36,529.46

Waltham—seventh of ten payments 27,511.64

Assessment for Entrance Fees:

Weston—fifth of ten payments 7,111.92

No water was discharged into Charles River during the year 1969 under the provisions of Chapt. 603 of the Acts of 1950.

Credit to Brookline for property acquired: Eighteenth of twenty-five payments—\$1,887.40

**COMPARISON OF ASSESSMENTS 1969 and 1970
WITH REVENUE FROM WATER RATES IN 1969**

<i>Cities and Towns</i>	<i>Water Assessments</i>		<i>Water Revenue Received in Cities and Towns 1969</i>
	1969	1970	
Arlington	\$ 231,233.76	\$ 265,198.68	\$ 586,090.06
Belmont	108,763.56	108,059.04	351,944.22
Boston	5,673,420.96	5,996,742.12	8,922,220.32
Brookline	312,758.40	328,559.88	803,650.43
Cambridge	60,378.60	146,207.40	1,460,758.87
Chelsea	188,148.84	163,278.00	482,610.48
Everett	331,367.88	347,061.36	570,023.98
Lexington	186,193.20	210,291.00	551,666.73
Lynnfield Water District	11,930.16	13,982.64	108,122.59
Malden	282,575.88	297,485.64	564,522.11
Marblehead	86,915.76	93,761.40	329,558.28
Medford	335,372.88	374,352.24	701,772.29
Melrose	124,015.20	134,908.32	352,654.35
Milton	106,081.92	116,560.08	327,889.89
Nahant	20,348.40	21,812.40	41,985.37
Needham	45,018.00	55,292.40	398,454.78
Newton	500,203.08	506,269.20	1,154,584.70
Norwood	169,510.80	185,094.00	421,523.64
Peabody	56,008.80	54,576.00	752,227.74
Quincy	475,392.60	443,029.80	1,079,473.50
Revere	163,917.24	170,268.72	296,428.91
Saugus	100,108.56	104,177.52	292,867.30
Somerville	446,538.12	475,809.00	769,117.90
Stoneham	130,852.92	148,360.44	246,341.95
Swampscott	74,793.84	81,628.08	173,695.83
Wakefield	66,207.60	92,548.80	512,116.78
Waltham	433,131.96	475,275.48	1,007,376.22
Watertown	208,383.84	210,866.64	539,875.66
Weston	15,816.48	17,151.72	249,247.48
Winchester	42,365.04	53,893.32	308,092.40
Winthrop	72,512.88	74,318.04	190,830.90
	<hr/> \$11,060,267.16	<hr/> \$11,766,819.36	<hr/> \$24,547,725.66

METROPOLITAN PARKS DISTRICT**Metropolitan Parks Debt**

Gross (and net) June 30, 1970

Bonds outstanding (serial):

Neponset River Drainage and Flood Control. Act of 1955	\$ 855,000.00
Neponset River Drainage and Flood Control. Act of 1961	1,550,000.00
Metropolitan District Beach Erosion Loan, Act of 1956	1,288,000.00
Charles River Basin Improvement Loan, Act of 1957	2,100,000.00
Charles River Flood Control Act of 1955	415,000.00
Charles River Flood Control Act of 1961	350,000.00
Metropolitan District Park Loan. Act of 1961	3,495,000.00
Mystic River Dam Loan, Act of 1957	4,578,000.00
Mystic River Dam Loan, Act of 1963	7,600,000.00
Metropolitan District Commission Recreational Loan, Act of 1955	400,000.00
Metropolitan District Commission Recreational Loan, Act of 1957	2,377,000.00
Metropolitan District Commission Recreational Loan. Act of 1959	2,430,000.00
Metropolitan District Commission Recreational Loan. Act of 1962	2,155,000.00
Metropolitan District Commission Recreational Loan, Act of 1963	4,100,000.00
Metropolitan District Commission Recreational Loan, Act of 1965	2,760,000.00
Metropolitan District Commission Recreational Loan, Act of 1966	2,900,000.00

Total net parks debt June 30, 1970

\$39,353,000.00

Metropolitan Parks Expenses

<i>Debt Service:</i>	<i>Serial Bonds</i>	<i>Interest</i>
Neponset River Drainage and Flood Control. Act of 1955	\$ 103,000.00	\$ 22,746.50
Neponset River Drainage and Flood Control. Act of 1961	100,000.00	50,450.00
Metropolitan District Beach Erosion Loan Act of 1956	67,000.00	42,806.25
Charles River Basin Improvement Loan Act of 1957	101,000.00	71,865.00
Charles River Flood Control Act of 1955	50,000.00	14,437.50
Charles River Flood Control Act of 1961	25,000.00	10,850.00

Metropolitan Parks Expenses (Continued)

Metropolitan District Park Loan, Act of 1961	275,000.00	116,967.50	
Mystic River Dam Loan, Act of 1957	228,000.00	143,215.00	
Mystic River Dam Loan, Act of 1963	310,000.00	266,750.00	
Metropolitan District Commission Recreational Loan, Act of 1955	50,000.00	13,500.00	
Metropolitan District Commission Recreational Loan, Act of 1957	247,000.00	82,270.50	
Metropolitan District Commission Recreational Loan, Act of 1959	243,000.00	82,242.00	
Metropolitan District Commission Recreational Loan, Act of 1962	175,000.00	78,002.50	
Metropolitan District Commission Recreational Loan, Act of 1963	250,000.00	162,275.00	
Metropolitan District Commission Recreational Loan, Act of 1965	175,000.00	125,400.00	
Metropolitan District Commission Recreational Loan, Act of 1966	325,000.00	153,800.00	
	<hr/>	<hr/>	
	\$2,724,000.00	\$1,437,577.75	\$4,161,577.75
Maintenance as appropriated by the Legislature			7,886,673.52
			<hr/>
Total Metropolitan Parks expenses to be assessed			\$12,048,251.27

METROPOLITAN PARKS DISTRICT RESERVATIONS AND BOULEVARDS

Proportion of Interest, Serial Bonds and Maintenance Requirements as Determined by the Metropolitan District Commission

<i>Cities and Towns</i>	<i>Valuation Ch. 660 Acts of 1963 adj. to nearest \$1,000.00 (000's omitted)</i>	<i>Valuation Per Cent Note 1</i>	<i>Population 1965 Census</i>	<i>Population Per Cent</i>	<i>Average Per Cent Ch. 554 Acts of 1949—Note 2</i>
Arlington	\$ 110,391	.022434	52,482	.026939	.024124
Belmont	94,029	.019109	28,794	.014779	.017805
Boston	1,628,334	.330911	616,326	.316355	.328638
Braintree	61,885	.012576	33,954	.017428	.014306
Brookline	210,814	.042842	53,608	.027517	.038033
Cambridge	249,777	.050760	92,677	.047570	.050089
Canton	22,574	.004587	15,310	.007859	.005723
Chelsea	52,087	.010585	27,098	.013909	.011785
Dedham	61,241	.012445	26,618	.013663	.012952
Dover	11,146	.002265	3,592	.001844	.002142
Everett	164,421	.033414	43,410	.022282	.029939
Hingham	34,740	.007060	17,576	.009022	.007775
Hull	25,999	.005284	8,836	.004535	.005074
Lynn	226,053	.045939	92,653	.047558	.046847
Malden	106,839	.021712	56,142	.028817	.024269
Medford	121,107	.024611	60,429	.031018	.026959
Melrose	70,358	.014298	32,105	.016479	.015144
Milton	77,947	.015840	27,708	.014222	.015423
Nahant	9,081	.001845	4,067	.002088	.001942
Needham	71,924	.014616	29,303	.015041	.014875
Newton	290,472	.059030	88,514	.045434	.054929
Quincy	222,963	.045311	87,158	.044738	.045478
Revere	72,400	.014713	42,394	.021761	.017197
Saugus	37,146	.007549	23,429	.012026	.009113
Somerville	166,267	.033789	86,332	.044314	.037592
Stoneham	34,132	.006936	20,109	.010322	.008129
Swampscott	45,256	.009197	13,995	.007184	.000682(4)
Wakefield	50,158	.010193	25,571	.013125	.011258
Waltham	115,743	.023521	57,134	.029326	.025657
Watertown	99,022	.020123	40,115	.020591	.020440
Wellesley	93,415	.018984	26,297	.013498	.017291
Weston	29,754	.006047	9,848	.005055	.005761
Westwood	24,899	.005060	12,123	.006223	.005491
Weymouth	127,113	.025832	50,468	.025904	.026060
Winchester	62,448	.012691	21,634	.011104	.012259
Winthrop	38,829	.007891	20,398	.010470	.008819
<hr/>					
	\$4,920,764	1.000000	1,948,207	1.000000	1.000000
Cohasset (Note 3) m	18,797	.003805	6,559	.003355	.000292
<hr/>					
Total	\$4,939,561		1,954,766		

Note 1. Serial Bonds and Interest

Note 2. Maintenance

Note 3. Nantasket Maintenance (8% of its proportion.)

Note 4. Swampscott Maintenance — Ch. 405 of 1968

METROPOLITAN PARKS DISTRICT RESERVATIONS AND BOULEVARDS

Total Assessments

<i>Cities and Towns</i>	<i>Serial Bonds</i>	<i>Interest</i>	<i>Maintenance</i>	<i>Total</i>
Arlington	\$ 61,110.22	\$ 32,250.62	\$ 190,202.56	\$ 283,563.40
Belmont	52,052.92	27,470.67	140,381.22	219,904.81
Boston	901,401.56	475,710.29	2,591,103.79	3,968,215.64
Braintree	34,257.02	18,078.98	112,793.80	165,129.80
Brookline	116,701.61	61,588.71	299,866.27	478,156.59
Cambridge	138,270.24	72,971.45	394,920.24	606,161.93
Canton	12,494.99	6,594.17	45,122.25	64,211.41
Chelsea	28,833.54	15,216.76	92,917.31	136,967.61
Cohasset			2,302.91	2,302.91
Dedham	33,900.18	17,890.66	102,118.37	153,909.21
Dover	6,169.86	3,256.11	16,888.32	26,314.29
Everett	91,019.74	48,035.22	236,050.17	375,105.13
Hingham	19,231.44	10,149.30	61,300.98	90,681.72
Hull	14,393.62	7,596.16	40,005.30	61,995.08
Lynn	125,137.84	66,040.88	369,359.11	560,537.83
Malden	59,143.49	31,212.69	191,345.79	281,701.97
Medford	67,040.36	35,380.23	212,554.75	314,975.34
Melrose	38,947.75	20,554.49	119,400.91	178,903.15
Milton	43,148.16	22,771.23	121,600.65	187,520.04
Nahant	5,025.78	2,652.33	15,311.45	22,989.56
Needham	39,813.98	21,011.64	117,280.01	178,105.63
Newton	160,797.72	84,860.21	433,080.59	678,738.52
Quincy	123,427.16	65,138.09	358,565.41	547,130.66
Revere	40,078.21	21,151.08	135,587.52	196,816.81
Saugus	20,563.48	10,852.27	71,850.27	103,266.02
Somerville	92,041.24	48,574.31	296,389.26	437,004.81
Stoneham	18,893.66	9,971.04	64,092.05	92,956.75
Swampscott	25,052.63	13,221.40	5,377.14	43,651.17
Wakefield	27,765.73	14,653.23	88,762.24	131,181.20
Waltham	64,071.20	33,813.27	202,289.30	300,173.77
Watertown	54,815.05	28,928.38	161,156.53	244,899.96
Wellesley	51,712.42	27,290.97	136,328.65	215,332.04
Weston	16,472.03	8,693.03	45,421.86	70,586.92
Westwood	13,783.44	7,274.14	43,293.08	64,350.66
Weymouth	70,366.37	37,135.51	205,466.70	312,968.58
Winchester	34,570.28	18,244.30	96,654.50	149,469.08
Winthrop	21,495.08	11,343.93	69,532.26	102,371.27
	\$2,724,000.00	\$1,437,577.75	\$7,886,673.52	\$12,048,251.27

METROPOLITAN PARKS AND SEWERAGE DISTRICTS
Comparison of Assessments 1969 and 1970

	<i>Parks</i> 1969	<i>Parks</i> 1970	<i>Sewerage</i> 1969	<i>Sewerage</i> 1970
Arlington	\$ 244,562.10	\$ 283,563.40	\$ 274,753.89	\$ 306,097.88
Ashland			25,881.67	29,885.26
Belmont	190,241.23	219,904.81	130,072.54	144,309.93
Boston	3,428,198.99	3,968,215.64	3,740,248.69	4,106,880.44
Braintree	142,251.81	165,129.80	131,328.87	149,077.55
Brookline	414,096.10	478,156.59	230,476.36	259,850.83
Burlington			68,381.54	78,417.20
Cambridge	523,744.16	606,161.93	795,495.57	861,716.30
Canton	55,212.07	64,211.41	73,304.39	81,880.98
Chelsea	118,043.67	136,967.61	205,030.48	224,260.80
Cohasset	1,924.19	2,302.91		
Dedham	132,831.88	153,909.21	146,510.75	168,273.85
Dover	22,757.34	26,314.29		
Everett	324,784.59	375,105.13	242,793.26	269,257.81
Framingham			157,123.84	181,220.29
Hingham	78,170.50	90,681.72	31,532.65	35,289.39
Hull	53,597.28	61,995.08		
Lexington			141,979.37	159,745.66
Lynn	483,983.11	560,537.83		
Malden	242,761.19	281,701.97	257,324.23	288,692.42
Medford	271,548.83	314,975.34	392,905.05	433,287.56
Melrose	154,345.86	178,903.15	198,764.04	219,308.43
Milton	162,070.20	187,520.04	187,074.82	205,577.70
Nahant	19,836.49	22,989.56		
Natick			119,516.01	136,611.30
Needham	153,787.67	178,105.63	135,256.04	151,519.55
Newton	587,198.54	678,738.52	525,834.33	582,992.58
Norwood			113,980.46	129,715.88
Quincy	472,567.15	547,130.66	473,370.44	525,810.05
Randolph			76,462.07	87,428.36
Reading			61,913.49	72,066.39
Revere	169,454.76	196,816.81	168,610.38	190,998.71
Saugus	88,851.63	103,266.02		
Somerville	376,632.36	437,004.81	419,898.95	468,829.77
Stoneham	80,029.22	92,956.75	95,382.89	107,287.99
Stoughton			53,835.44	62,929.11
Swampscott	39,601.09	43,651.17		
Wakefield	113,075.50	131,181.20	120,181.20	134,753.58
Walpole			53,441.57	61,364.52
Waltham	258,810.63	300,173.77	253,121.18	285,888.71
Watertown	211,470.81	244,899.96	193,838.27	216,759.83
Wellesley	186,377.94	215,332.04	102,863.18	116,821.13
Weston	61,035.73	70,586.92		
Westwood	55,489.30	64,350.66	51,812.02	58,290.90
Weymouth	270,287.42	312,968.58	203,472.47	230,267.90
Wilmington			46,282.82	53,701.16
Winchester	129,205.63	149,469.08	167,720.46	185,895.05
Winthrop	88,220.37	102,371.27	106,949.38	119,030.01
Woburn			212,244.27	235,898.23
	\$10,407,057.34	\$12,048,251.27	\$11,186,969.33	\$12,417,890.99

METROPOLITAN SEWERAGE DISTRICT

Metropolitan Sewerage Debt

Gross (and net) debt June 30, 1970

Bonds Outstanding (serial)

Sewerage Loan, North System, Act of 1945 (Ch. 705)	\$ 350,000.00
District Sewerage Loan, Act of 1949 (Ch. 606)	15,242,000.00
Sewerage Loan, Act of 1951 (Ch. 645)	16,111,000.00
Sewerage Loan, North District, Act of 1951 (Ch. 757)	545,000.00
District Sewerage Loan, North System, Act of 1954 (Ch. 452)	449,000.00
Metropolitan District Sewerage Loan, Act of 1954 (Ch. 399)	637,000.00
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	95,000.00
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	20,608,000.00
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	4,160,000.00
Metropolitan District Sewerage Relief Loan, Act of 1962 (Ch. 593)	1,780,000.00
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	2,615,000.00
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	4,185,000.00
Second Metropolitan Sewerage Loan, Act of 1962 (Ch. 766)	8,935,000.00
Sewerage Loan, South System (Ch. 705)	1,781,000.00
District Sewerage Loan, Act of 1951 (Ch. 527)	995,000.00
District Sewerage Second Loan, Act of 1951 (Ch. 599)	1,125,000.00
District Sewerage Loan, Act of 1953 (Ch. 642)	495,000.00
District Sewerage Loan, Act of 1954 (Ch. 580)	316,000.00
District Sewerage Loan, Act of 1955 (Ch. 410)	738,000.00
District Sewerage Loan, Act of 1955 (Ch. 551)	571,000.00
District Sewerage Loan, Act of 1957 (Ch. 710)	637,000.00
District Sewerage Loan, Act of 1957 (Ch. 764)	313,000.00
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	6,425,000.00
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	460,000.00

Total Net Sewerage Debt, June 30, 1970

\$89,568,000.00

METROPOLITAN SEWERAGE DISTRICT

Metropolitan Sewerage Expenses

<i>Debt Service:</i>	<i>Serial Bonds:</i>	<i>Interest</i>
Sewerage Loan, North System, Act of 1945 (Ch. 705)	\$ 70,000.00	\$ 7,350.00
District Sewerage Loan, Act of 1949 (Ch. 606)	695,700.00	486,207.50
Sewerage Loan, Act of 1951 (Ch. 645)	681,300.00	396,907.50
Sewerage Loan, North District, Act of 1951 (Ch. 757)	37,000.00	11,990.00
District Sewerage Loan, North District, Act of 1954 (Ch. 452)	21,400.00	13,803.75
Metropolitan District Sewerage Loan, Act of 1954 (Ch. 399)	15,439.86	22,295.00
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	500.00	3,325.00
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	450,800.00	607,983.00
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	91,000.00	126,345.00
Metropolitan District Sewerage Relief Loan, Act of 1962 (Ch. 593)	56,000.00	66,900.00
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	59,500.00	62,085.00
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	94,500.00	152,285.00
Second Metropolitan Sewerage Loan, Act of 1962 (Ch. 766)	217,500.00	333,462.50
Sewerage Loan, South System (Ch. 705)	283,000.00	40,237.50
District Sewerage Loan, Act of 1951 (Ch. 527)	54,485.38	21,890.00
District Sewerage Second Loan, Act of 1951 (Ch. 599)	73,000.00	25,946.25
District Sewerage Loan, Act of 1953 (Ch. 642)	33,000.00	10,890.00
District Sewerage Loan, Act of 1954 (Ch. 580)	18,000.00	8,442.50

Metropolitan Sewerage Expenses (Continued)

District Sewerage Loan, Act of 1955 (Ch. 410)	31,570.84	22,298.75	
District Sewerage Loan, Act of 1955 (Ch. 551)	33,000.00	15,248.75	
District Sewerage Loan, Act of 1957 (Ch. 710)	23,100.00	22,295.00	
District Sewerage Loan, Act of 1957 (Ch. 764)	13,622.23	10,955.00	
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	135,000.00	370,175.00	
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	17,000.00	20,700.00	
Interest on Average Monthly Deficit		71,873.50	
	\$ 3,205,418.31	\$ 2,931,891.50	\$ 6,137,309.81
Maintenance			6,280,581.18
Total Metropolitan Sewerage Expenses			\$12,417,890.99

North and South Systems combined under Chapter 612, Acts of 1959

**METROPOLITAN DISTRICT COMMISSION
SEWERAGE DIVISION**
**Ratios of contribution on the basis of G. L. Chap. 92, Sections 5 and 6
and the census returns of 1965, as determined by the
Metropolitan District Commission, Sewerage Division**

City or Town	Ratios		Population State Census 1965	Ratios for Maintenance Fiscal Year Ending June 30, 1970
	Estimated Pro-Rated Demand M.G.D.	For Principal and Interest Fiscal Year Ending June 30, 1971		
Arlington	26.797	.024102	52,482	.025185
Ashland	0.665	.000598	8,698	.004174
Belmont	10.422	.009374	28,794	.013817
Boston	407.483	.366506	616,326	.295756
Braintree	8.467	.007616	33,954	.016294
Brookline	17.804	.016014	53,608	.025725
Burlington	3.574	.003215	19,473	.009344
Cambridge	105.505	.094895	92,677	.044473
Canton	6.474	.005823	15,310	.007347
Chelsea	25.830	.023233	27,098	.013004
Dedham	15.951	.014347	26,618	.012773
Everett	25.077	.022555	43,410	.020831
Framingham	4.237	.003811	52,369	.025130
Hingham	2.787	.002507	6,604	.003169
Lexington	11.802	.010615	31,388	.015062
Malden	21.646	.019469	56,142	.026941
Medford	45.500	.040924	60,429	.028998
Melrose	22.201	.019968	32,105	.015406
Milton	22.114	.019890	27,708	.013296
Natick	8.170	.007348	30,365	.014571
Needham	11.449	.010298	29,303	.014062
Newton	57.286	.051525	88,514	.042475
Norwood	7.677	.006905	28,978	.013906
Quincy	47.668	.042874	87,158	.041824
Randolph	3.976	.003576	21,726	.010426
Reading	1.487	.001338	21,188	.010167
Revere	11.454	.010302	42,394	.020344
Somerville	37.796	.033995	86,332	.041428
Stoneham	8.456	.007606	20,109	.009650
Stoughton	0.651	.000586	19,686	.009447
Wakefield	10.450	.009399	25,571	.012271
Walpole	2.168	.001950	16,390	.007865
Waltham	19.278	.017339	59,549*	.028576
Watertown	17.365	.015619	40,115	.019250
Wellesley	6.805	.006121	26,297	.012619
Westwood	3.941	.003545	12,123	.005817
Weymouth	14.160	.012736	50,468	.024218
Wilmington	1.396	.001256	15,261	.007323
Winchester	21.865	.019666	21,634	.010381
Winthrop	10.426	.009378	20,398	.009788
Woburn	23.544	.021176	35,149	.016867
Totals	1,111.804	1.000000	2,083,901	1.000000

* Includes 2415 inmates and attendants added in compliance with Chap. 372, Acts of 1928, in relation to disposal of sewage of the Metropolitan State Hospital, and Chap. 373, Acts of 1929, in relation to disposal of sewage of the Middlesex County Tuberculosis Hospital.

METROPOLITAN SEWERAGE DISTRICT

Total Assessments

<i>Cities and Towns</i>	<i>Serial Bonds</i>	<i>Interest</i>	<i>Maintenance</i>	<i>Total</i>
Arlington	\$ 77,256.99	\$ 70,664.45	\$ 158,176.44	\$ 306,097.88
Ashland	1,916.84	1,753.27	26,215.15	29,885.26
Belmont	30,047.59	27,483.55	86,778.79	144,309.93
Boston	1,174,805.04	1,074,555.83	1,857,519.57	4,106,880.44
Braintree	24,412.47	22,329.29	102,335.79	149,077.55
Brookline	51,331.57	46,951.31	161,567.95	259,850.83
Burlington	10,305.42	9,426.03	58,685.75	78,417.20
Cambridge	304,178.17	278,221.84	279,316.29	861,716.30
Canton	18,665.15	17,072.40	46,143.43	81,880.98
Chelsea	74,471.48	68,116.64	81,672.68	224,260.80
Dedham	45,988.14	42,063.85	80,221.86	168,273.85
Everett	72,298.21	66,128.81	130,830.79	269,257.81
Framingham	12,215.85	11,173.44	157,831.00	181,220.29
Hingham	8,035.98	7,350.25	19,903.16	35,289.39
Lexington	34,025.52	31,122.03	94,598.11	159,745.66
Malden	62,406.29	57,080.99	169,205.14	288,692.42
Medford	131,178.54	119,984.73	182,124.29	433,287.56
Melrose	64,005.79	58,544.01	96,758.63	219,308.43
Milton	63,755.77	58,315.32	83,506.61	205,577.70
Natick	23,553.41	21,543.54	91,514.35	136,611.30
Needham	33,009.40	30,192.62	88,317.53	151,519.55
Newton	165,159.18	151,065.71	266,767.69	582,992.58
Norwood	22,133.41	20,244.71	87,337.76	129,715.88
Quincy	137,429.10	125,701.92	262,679.03	525,810.05
Randolph	11,462.58	10,484.44	65,481.34	87,428.36
Reading	4,288.85	3,922.87	63,854.67	72,066.39
Revere	33,022.22	30,204.35	127,772.14	190,998.71
Somerville	108,968.20	99,669.65	260,191.92	468,829.77
Stoneham	24,380.41	22,299.97	60,607.61	107,287.99
Stoughton	1,878.37	1,718.09	59,332.65	62,929.11
Wakefield	30,127.72	27,556.85	77,069.01	134,753.58
Walpole	6,250.56	5,717.19	49,396.77	61,364.52
Waltham	55,578.75	50,836.07	179,473.89	285,888.71
Watertown	50,065.43	45,793.21	120,901.19	216,759.83
Wellesley	19,620.37	17,946.11	79,254.65	116,821.13
Westwood	11,363.21	10,393.55	36,534.14	58,290.90
Weymouth	40,824.21	37,340.57	152,103.12	230,267.90
Wilmington	4,026.01	3,682.45	45,992.70	53,701.16
Winchester	63,037.76	57,658.58	65,198.71	185,895.05
Winthrop	30,060.41	27,495.28	61,474.32	119,030.01
Woburn	67,877.94	62,085.73	105,934.56	235,898.23
	\$3,205,418.31	\$2,931,891.50	\$6,280,581.18	\$12,417,890.99

STATEMENT OF DEBTS OF THE METROPOLITAN DISTRICT

Net Debt June 30, 1970	<i>Metropolitan Sewerage</i>	<i>Metropolitan Water</i>	<i>Metropolitan Parks</i>	<i>Total</i>
Arlington	\$ 2,158,767.94	\$ 2,558,874.37	\$ 882,845.20	\$ 5,600,487.51
Ashland	53,561.66			53,561.66
Belmont	839,610.43	1,042,601.09	751,996.48	2,634,208.00
Boston	32,827,209.41	57,861,578.75	13,022,340.58	103,711,128.74
Braintree	682,149.89		494,903.33	1,177,053.22
Brookline	1,434,341.95	3,170,265.73	1,685,961.23	6,290,568.91
Burlington	287,961.12			287,961.12
Cambridge	8,499,555.36	1,410,684.80	1,997,558.28	11,907,798.44
Canton	521,554.46		180,512.21	702,066.67
Chelsea	2,080,933.34	1,575,425.54	416,551.50	4,072,910.38
Dedham	1,285,032.10		489,748.09	1,774,780.19
Dover			89,134.55	89,134.55
Everett	2,020,206.24	3,348,744.32	1,314,941.14	6,683,891.70
Frammingham	341,343.65			341,343.65
Hingham	224,546.98		277,832.18	502,379.16
Hull			207,941.25	207,941.25
Lexington	950,764.32	2,029,115.39		2,979,879.71
Lynn			1,807,837.47	1,807,837.47
Lynnfield Water District		134,880.77		134,880.77
Malden	1,743,799.39	2,870,417.15	854,432.34	5,468,648.88
Marblehead		904,654.85		904,654.85
Medford	3,665,480.83	3,612,034.30	968,516.68	8,246,031.81
Melrose	1,788,493.82	1,301,690.24	562,669.19	3,652,853.25
Milton	1,781,507.52	1,124,687.62	623,351.52	3,529,546.66
Nahant		210,495.74	72,606.29	283,102.03
Natick	658,145.66			658,145.66
Needham	922,371.26	533,505.66	575,183.45	2,031,060.37
Newton	4,614,991.20	4,884,886.40	2,323,007.59	11,822,885.19
Norwood	618,467.04	1,785,921.28		2,404,388.32
Peabody		526,579.97		526,579.97
Quincy	3,840,138.43	4,274,743.94	1,783,123.78	9,898,006.15
Randolph	320,295.17			320,295.17
Reading	119,841.98			119,841.98
Revere	922,729.54	1,642,865.92	579,000.69	3,144,596.15
Saugus		1,005,247.74	297,075.80	1,302,323.54
Somerville	3,044,864.16	4,591,055.23	1,329,698.52	8,965,617.91
Stoneham	681,254.22	1,431,461.89	272,952.41	2,385,668.52
Stoughton	52,486.85			52,486.85
Swampscott		787,599.23	361,929.54	1,149,528.77
Wakefield	841,849.63	892,960.64	401,125.13	2,135,935.40
Walpole	174,657.60			174,657.60
Waltham	1,553,019.55	4,585,832.58	925,621.90	7,064,474.03
Watertown	1,398,962.59	2,034,565.12	791,900.42	4,225,428.13
Wellesley	548,245.73		747,077.35	1,295,323.08
Weston		165,535.48	237,967.59	403,503.07
Westwood	317,518.56		199,126.18	516,644.74
Weymouth	1,140,738.05		1,016,566.70	2,157,304.75
Wilmington	112,497.41			112,497.41
Winchester	1,761,444.29	519,994.88	499,428.92	2,780,868.09
Winthrop	839,968.70	717,093.38	310,534.52	1,867,596.60
Woburn	1,896,691.97			1,896,691.97
	\$89,568,000.00	\$113,536,000.00	\$39,353,000.00	\$242,457,000.00